

What is claimed is:

1. A Karaoke system comprising:
  - a video image capturing device for capturing a video  
5 image of a Karaoke performer;
  - a Karaoke medium player for retrieving audio signals  
and an indicia image of a song from a Karaoke medium;  
means for downscaling and repositioning the indicia  
image;
  - 10 means for compositing the downscaled and  
repositioned indicia image with the image of the Karaoke  
performer to provide an output video image;
  - a video monitor for displaying the composite output  
video image.
  - 15
2. A Karaoke system as in claim 1, wherein the  
indicia image contains words for the song.
3. A Karaoke system as in claim 1, wherein the  
20 means for compositing overlays the downscaled and  
repositioned indicia image on the image of the Karaoke  
performer.
4. A Karaoke system as in claim 1, wherein the  
25 means for compositing removes a background of the  
downscaled and repositioned indicia image before  
overlaying the downscaled and repositioned indicia image  
on the image of the Karaoke performer.



a video output for outputting the output video image for display.

10. A Karaoke video image processing device as in  
5 claim 9, wherein the electronic circuit overlays the  
downscaled and repositioned indicia image on the second  
video image to form the output video image.

11. A Karaoke video image processing device as in  
10 claim 10, wherein the electronic circuit removes a  
background of the downscaled and repositioned indicia  
image before overlaying the downscaled and repositioned  
indicia image on the second video image.

12. A Karaoke medium player comprising:  
15 a reader for retrieving data from a Karaoke medium,  
the data comprising audio data and an indicia image;  
an external video input for receiving an external  
video image;  
20 a video processing circuit for downscaling and  
repositioning the indicia image and combining the  
downscaled and repositioned indicia image with the  
external video image to form an output video image;  
a video output for outputting the output video  
25 image;  
an audio processor for processing the audio data to  
provide an output audio signal; and

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an audio output for outputting the output audio signal.

13. A Karaoke medium player as in claim 12, wherein  
5 the video processing circuit removes a background of the  
downscaled and repositioned indicia image before  
compositing the downscaled and repositioned indicia image  
with the external video image.

10 14. A Karaoke medium player as in claim 12, wherein  
the Karaoke medium is a compact-disk-plus-graphics (CD+G)  
disk.

15 15. A Karaoke medium player as in claim 14, wherein  
the video processing circuit includes a CD+G decoder for  
compositing the downsized and repositioned indicia image  
with the external video image.

20 16. A Karaoke medium player as in claim 12, wherein  
the video processing circuit includes a subcode processor  
for receiving a stream of subcode data retrieved from the  
Karaoke medium representing the indicia image and  
modifying the subcode data to effect the downscaling and  
repositioning.

25 17. A Karaoke medium player as in claim 16, wherein  
the Karaoke medium is a compact-disk-plus-graphics (CD+G)  
disk and the video processing circuit further includes a

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CD+G decoder, and wherein the subcode processor sends the modified subcode data to a microprocessor interface of the CD+G decoder.

5           18. A method of generating video images for Karaoke applications, comprising the steps of:

          capturing a video image of a Karaoke performer;  
          retrieving audio data and an indicia image  
          associated with a song being performed by the Karaoke  
10   performer;  
          downscaling and repositioning the indicia image;  
          compositing the downscaled and repositioned indicia  
          image with the image of the Karaoke performer to form an  
          output video image; and  
15   displaying the output video image on a video  
          monitor.

          19. A method as in claim 18, wherein the step of  
          compositing includes removing a background of the  
20   downscaled and repositioned indicia image.

          20. A method as in claim 18, wherein the step of  
          downscaling reduces a vertical height of the indicia  
          image by line dropping.

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